

Comparisons of Job Characteristics

Focus Occupation: Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)

Associated Occupation: Machinists (51-4041)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 97

Focus Occupation: Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)
Associated Occupation: Machinists (51-4041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	18.0	15.0	< Expanded education and/or training may be required
Mathematics	9.2	14.2	13.9	0 Current knowledge level may be sufficient
Production and Processing	6.0	12.7	10.2	< Expanded education and/or training may be required
Design	5.2	11.2	10.4	0 Current knowledge level may be sufficient
Engineering and Technology	5.7	10.2	8.2	< Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)
Associated Occupation: Machinists (51-4041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Quality Control Analysis	5.9	12.6	8.9	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	12.0	9.2	<< Extensive development of skills in this area may be required
Operation and Control	5.4	11.1	8.6	< A higher skill level may be required
Troubleshooting	4.5	10.2	6.6	<< Extensive development of skills in this area may be required
Equipment Maintenance	3.5	9.3	6.2	<< Extensive development of skills in this area may be required

Equipment Selection	3.3	8.6	6.5	<<	Extensive development of skills in this area may be required
Repairing	3.4	8.5	5.1	<<	Extensive development of skills in this area may be required
Installation	1.7	6.0	2.6	<<	Extensive development of skills in this area may be required
Technology Design	2.6	6.0	2.9	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities	Similarity of Focus Occupation to Associated Occupation: 88
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Focus Occupation: Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)
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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Control Precision	6.6	13.3	11.9	<	Some improvement in abilities may be required
Finger Dexterity	7.6	11.6	10.3	<	Some improvement in abilities may be required
Manual Dexterity	6.5	11.1	8.5	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	10.7	9.0	<	Some improvement in abilities may be required
Reaction Time	4.8	10.1	10.1	0	Current ability level may be sufficient
Hearing Sensitivity	5.6	9.3	6.2	<<	Extensive improvement in abilities may be required
Rate Control	3.8	8.6	6.2	<<	Extensive improvement in abilities may be required
Wrist-Finger Speed	3.2	7.3	3.7	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	6.2	2.9	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	6.1	4.0	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 93
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Focus Occupation: Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)
Associated Occupation: Machinists (51-4041)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Examine products or work to verify conformance to specifications	15

Install equipment or attachments on machinery or related structures	48
Lay out machining, welding or precision assembly projects	63
Load or unload material or workpiece into machinery	34
Maintain or repair industrial or related equipment/machinery	39
Monitor production machinery/equipment operation to detect problems	27
Move or fit heavy objects	8
Operate metal or plastic fabricating equipment/machinery	54
Read blueprints	10
Read specifications	23
Read technical drawings	7
Recognize characteristics of metals	62
Set up computer numerical control machines	69
Set up production equipment or machinery	51
Understand machine setup instructions	74
Understand technical operating, service or repair manuals	6
Use hand or power tools	2
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.